



Example of DNA Bloodstain Sampling Procedure

Purpose:

- * To provide parent(s) or guardian(s) with a DNA sample from their newborn baby.

Equipment Needed:

Lancet
Alcohol
Adhesive bandage

FTA staincard
Foil storage pouch
ChIP information sheet

Cotton ball
Desiccant
Gloves

Procedure:

- Give a brief description and brochure of the program to the parent. Be sure to obtain verbal permission to get the sample.
- * **Important - do not handle the FTA staincard unless you are wearing gloves. This will prevent contamination of the staincard with your DNA.**
- Wearing gloves, write the infant's name and DOB on the bottom of the FTA card and on the outside of the foil pouch.
- Wearing gloves, perform the heel stick, wiping away the initial drop of blood. The DNA sample can be obtained at the same time as the PKU, so only one stick is necessary.
- Obtain at least one good drop of blood and place it in one of the circles outlined on the FTA paper. Multiple drops, one on top of the other, are to be avoided. Although filling all four circles is not necessary, more than one drop would be preferable.
- * **Important - Allow the blood to dry.** Set the card up to dry in a triangular shape. This can be done by tucking the top flap under the FTA paper itself.
- Put the card, along with the desiccant, into the foil pouch and seal.
- Give the card to the parent(s).
- Document on teaching sheet the date that the ChIP card was done. This will enable us to note whether or not the ChIP service was offered to the patient, if time of delivery was not appropriate. For infants in NBICU, blood samples may be obtained from the UAC or venous line, if available.